

Claims

- [1] A drain hose fixing assembly of a dishwasher, comprising:
a holder body provided at an outer circumference with at least one hook; and
an interference preventing rib formed on an inner circumference of the holder body to prevent a drain hose from interfering with the hook.
- [2] The drain hose fixing assembly according to claim 1, wherein the hook is formed on an upper portion of the holder body.
- [3] The drain hose fixing assembly according to claim 1, wherein the hook is formed on a side portion of the holder body.
- [4] The drain hose fixing assembly according to claim 1, further comprising a flexible groove providing predetermined elastic force to the hook.
- [5] The drain hose fixing assembly according to claim 1, further comprising a supporting rib extending from an outer circumference of the holder body.
- [6] The drain hose fixing assembly according to claim 1, wherein the interference preventing rib extends from the inner circumference of the holder body and bent rearward.
- [7] The drain hose fixing assembly according to claim 1, wherein the interference preventing rib is provided at an inner circumference with at least one hook step for preventing the drain hose from moving.
- [8] The drain hose fixing assembly according to claim 1, wherein the holder body is formed in an arc-shape with a predetermined curvature and the interference preventing rib is designed having a curvature identical to that of the holder body.
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- [9] A dishwasher comprising:
a drain hose fixing assembly having a holder body provided at an end with a hook and an interference preventing rib integrally formed on an inner surface of the holder body;
a base having a wall provided with a penetration hole in which the drain hose fixing assembly is inserted;
a drain hose guided by the drain hose fixing assembly and inserted in the base;
and
a sump connected to the drain hose.
- [10] The dishwasher according to claim 9, wherein a supporting rib extends from the holder body and a sidewall of the base is inserted between the supporting rib and the hook.
- [11] The dishwasher according to claim 9, wherein the supporting rib is formed on an upper and/or side surface of the holder body.

- [12] The dishwasher according to claim 10, wherein the supporting rib is provided at an inner circumference with a plurality of convex and concave portions for suppressing the movement of the drain hose.
- [13] The dishwasher according to claim 9, the holder body and the interference preventing rib are formed in an arc-shape.
- [14] *The dishwasher according to claim 9, wherein a guide groove is formed on a lower end of the penetrating hole of the base to guide the insertion of the drain hose fixing assembly.
- [15] The dishwasher according to claim 9, wherein a drain hose supporting projection is formed on a lower end of the penetration hole of the base to guide the insertion of the drain hose fixing assembly.
- [16] *The dishwasher according to claim 16, wherein an upper surface of the drain hose supporting projection is concaved with a predetermined curvature.
- [17] The dishwasher according to claim 9, wherein the drain hose fixing assembly is inserted from an inner side to an outer side of the base.
- [18] *The dishwasher according to claim 9, wherein the drain hose fixing assembly is mounted on one of rear and side walls of the base.
- [19] The dishwasher according to claim 9, wherein a side surface of the hook is cut to have predetermined elastic force.
- [20] A dishwasher comprising:
a base;
a drain hose fixing assembly mounted on a wall of the base, the drain hose fixing assembly having a holder body provided at an end with a hook and an hose guide formed extending from an inner circumference of the holder body; and
a drain hose penetrating the hose guide,
wherein the hook is distant from an outer circumference of the drain hose.